

# **METHOD AND SYSTEM FOR CONTROLLING AND RECOVERING SHORT DURATION BRIDGE POWER TO MAXIMIZE BACKUP POWER**

## **Abstract of Disclosure**

A power system, comprising: a primary power source in electrical communication with a bus and a bridging power source, wherein the bridging power source comprises at least one of a capacitor, a battery, and an electrolysis cell, and the bridging power source is in electrical communication with said the; and a secondary power source in electrical communication with the bus. A method for operating a power system, comprising: monitoring a primary power source; if the primary power source exhibits selected characteristics, directing power from a bridging power source to a bus and initiating a secondary power source, and the bridging power source comprises at least one of a capacitor, a battery, and an electrolysis cell; and unless the secondary power source exhibits the selected characteristics, powering the bus with the secondary power source and ceasing the directing power from the bridging power source.

## Figures